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NETVIP AC1200

NETVIP AC1200 Dual Band Wi-Fi Repeater User Manual

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1. PRODUCT OVERVIEW

The NETVIP AC1200 Dual Band Wi-Fi Repeater is designed to extend your existing Wi-Fi network coverage, eliminate dead zones, and provide reliable wireless connectivity throughout your home or office. It supports dual-band speeds of up to 867 Mbps on 5 GHz and 300 Mbps on 2.4 GHz, making it ideal for various internet activities such as HD video streaming, online gaming, and general web browsing.

This device offers three versatile operating modes: Repeater, Access Point (AP), and Router, ensuring compatibility with various network setups and user needs. Its four high-gain external antennas provide enhanced signal stability and broader Wi-Fi coverage.



Image 1.1: The NETVIP AC1200 Wi-Fi Repeater extending both 5GHz (867Mbps) for HD video and gaming, and 2.4GHz

(300Mbps) for basic internet applications to various devices.

2. KEY FEATURES

- **Dual-Band AC1200 Wi-Fi:** Provides combined speeds of up to 1200 Mbps (867 Mbps on 5 GHz and 300 Mbps on 2.4 GHz) for fast and reliable connections.
- **Versatile Operating Modes:** Supports Repeater, Access Point (AP), and Router modes to meet diverse networking requirements.
- **Universal Compatibility:** Works with all standard Wi-Fi routers and devices (802.11ac/n/g/b/a).
- **High-Gain Antennas:** Equipped with four 5 dBi external antennas that can be rotated 180 degrees for stable signal and 360° Wi-Fi coverage.
- **Ethernet Ports:** Features two ultra-fast LAN/WAN ports for wired connections, allowing you to connect devices like game consoles, 4K TVs, desktops, or printers.

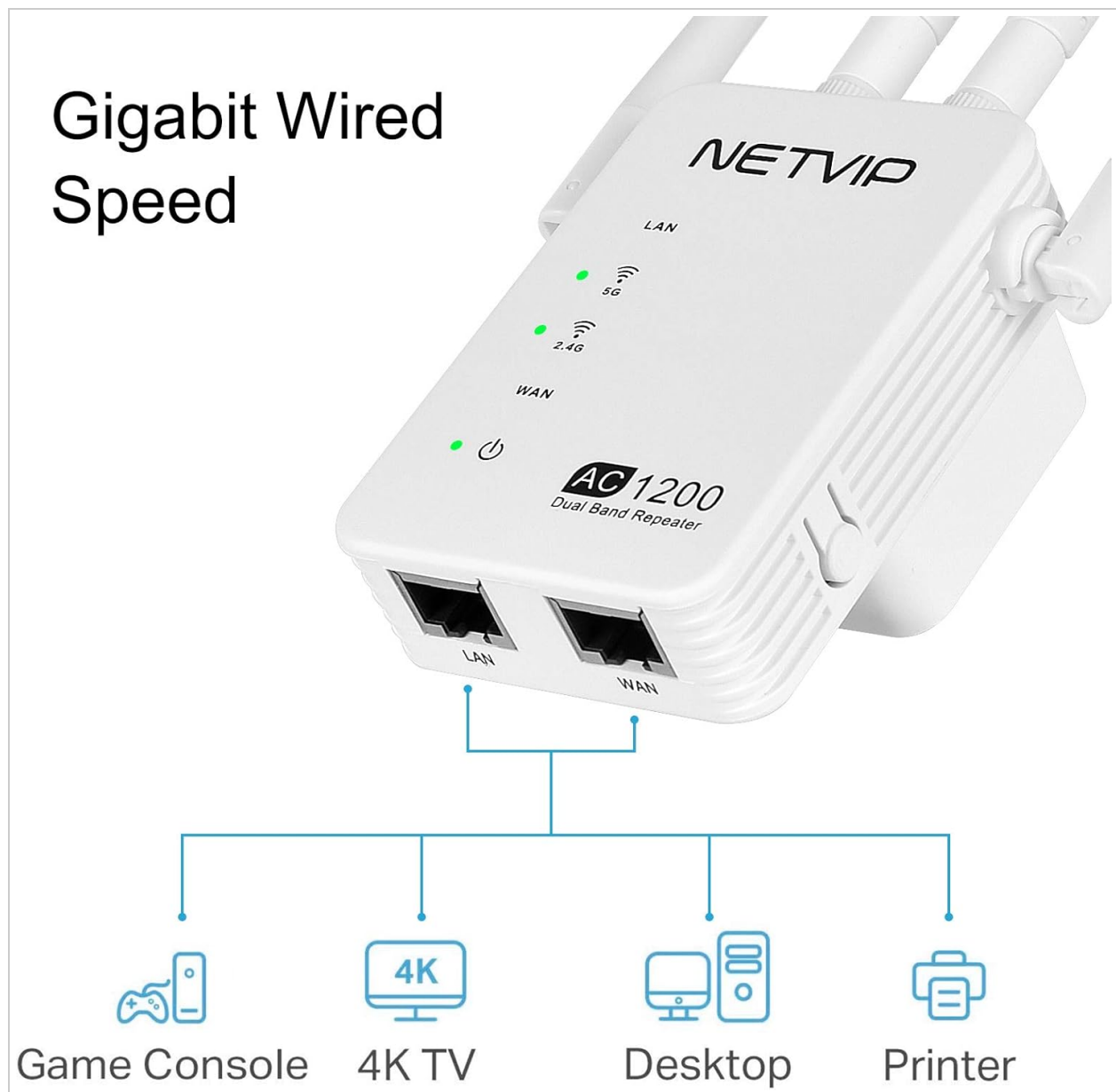


Image 2.1: The NETVIP AC1200 Wi-Fi Repeater offering Gigabit wired speed through its LAN/WAN ports, connecting to devices such as game consoles, 4K TVs, desktop computers, and printers.

3. DEVICE LAYOUT AND COMPONENTS

Familiarize yourself with the physical components of your NETVIP AC1200 Wi-Fi Repeater:

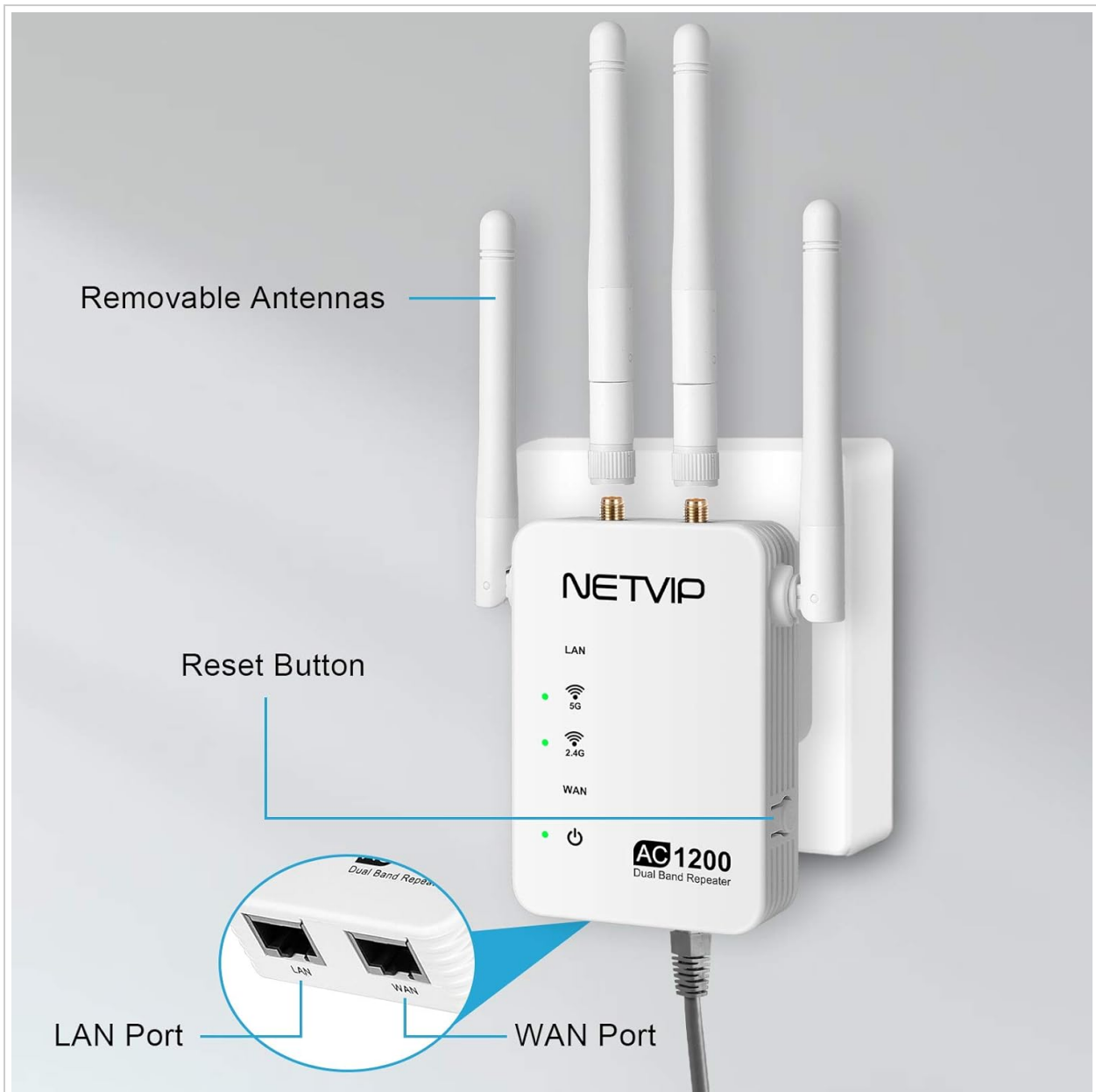


Image 3.1: Detailed view of the NETVIP AC1200 Wi-Fi Repeater highlighting its removable antennas, reset button, LAN port, and WAN port.

- **Removable Antennas:** Four adjustable external antennas for optimizing signal direction and strength.
- **Reset Button:** Used to restore the device to factory default settings. Press and hold for approximately 10 seconds while the device is powered on.
- **LAN Port:** An Ethernet port for connecting wired devices to the network in Repeater or AP mode.
- **WAN Port:** An Ethernet port primarily used for connecting to a modem in Router mode, or as a LAN port in other modes.
- **LED Indicators:** Lights indicating power, 2.4GHz Wi-Fi status, 5GHz Wi-Fi status, and WAN/LAN activity.

4. SETUP INSTRUCTIONS

The NETVIP AC1200 supports three main operating modes: Repeater, AP, and Router. Choose the mode that best suits your network needs.

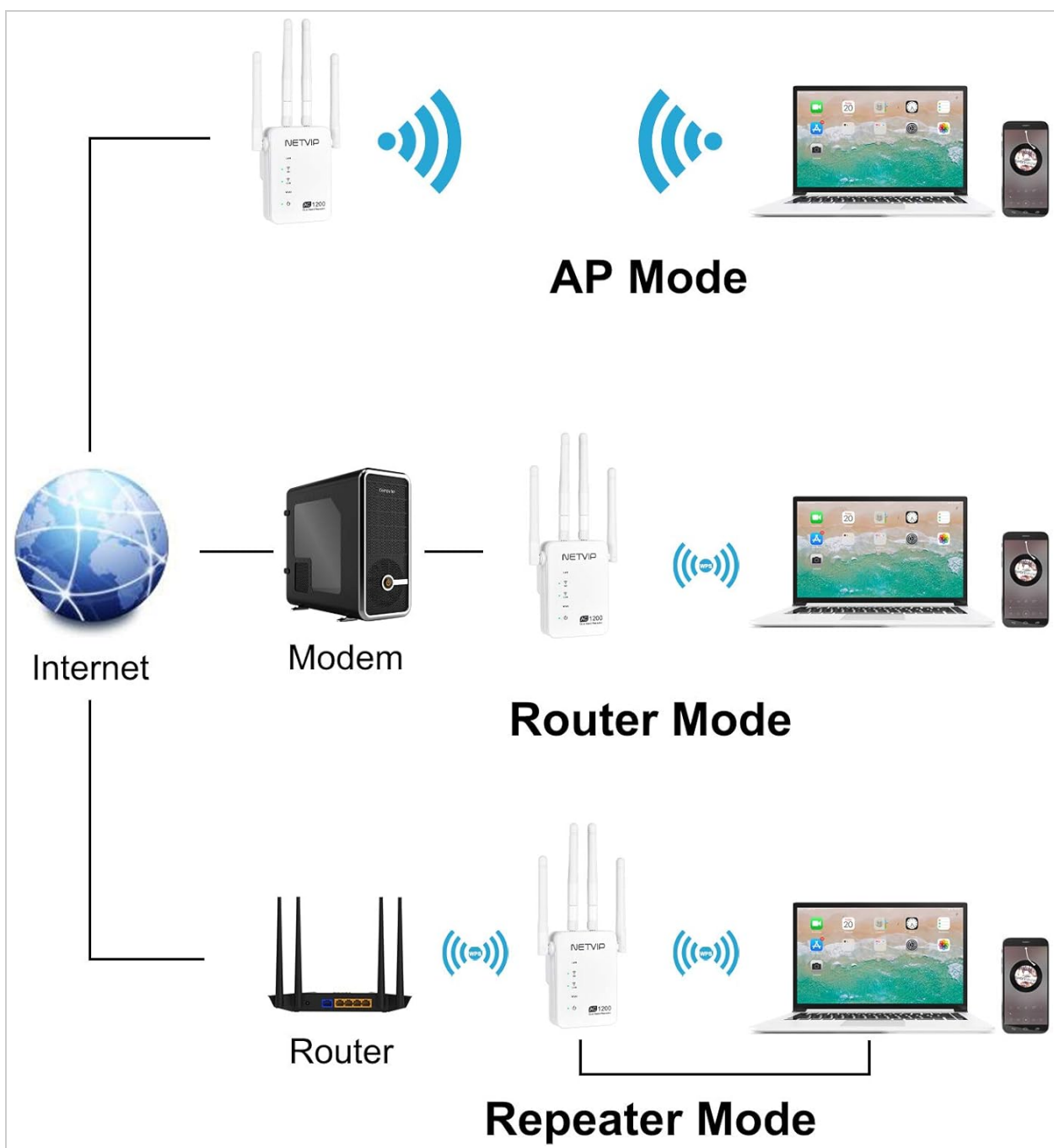


Image 4.1: Visual representation of the three operating modes: AP Mode (connecting to Internet via Modem), Router Mode (connecting to Internet via Modem), and Repeater Mode (extending an existing Router's Wi-Fi).

4.1. Repeater Mode (Wi-Fi Range Extender)

This mode extends the coverage of your existing wireless network.

1. **Power On:** Plug the repeater into an electrical outlet near your main router. Wait for the power LED to stabilize.
2. **Connect:** On your computer or mobile device, connect to the repeater's default Wi-Fi network (e.g., "NETVIP_XXXX"). No password is required initially.
3. **Access Setup Page:** Open a web browser and enter the default IP address (usually 192.168.10.1) or domain name (check the manual for exact details, often re.netvip.com).
4. **Log In:** Enter the default username and password (usually "admin" for both).
5. **Select Repeater Mode:** Follow the on-screen wizard. Select "Repeater Mode".
6. **Scan for Networks:** The repeater will scan for available Wi-Fi networks. Select your main router's 2.4GHz and 5GHz networks.

7. **Enter Passwords:** Input the Wi-Fi passwords for your main router's networks. You can choose to keep the same SSID or create new ones for the extended networks.
8. **Apply Settings:** Save the settings. The repeater will restart.
9. **Relocate:** Once restarted, unplug the repeater and move it to a location halfway between your router and the Wi-Fi dead zone. Ensure the signal strength LEDs indicate a good connection to your main router.

4.2. Access Point (AP) Mode

This mode converts a wired network connection into a wireless one.

1. **Power On:** Plug the repeater into an electrical outlet.
2. **Connect Ethernet:** Connect an Ethernet cable from your main router (or a network switch) to the **WAN/LAN port** of the NETVIP device.
3. **Access Setup Page:** Connect to the repeater's default Wi-Fi network and access the setup page as described in step 3 of Repeater Mode.
4. **Select AP Mode:** Follow the wizard and select "AP Mode".
5. **Configure Wi-Fi:** Set up your desired Wi-Fi network name (SSID) and password for both 2.4GHz and 5GHz bands.
6. **Apply Settings:** Save the settings. The device will restart and broadcast your new Wi-Fi network.

4.3. Router Mode

This mode allows the device to act as a primary router, creating a new private network.

1. **Power On:** Plug the repeater into an electrical outlet.
2. **Connect to Modem:** Connect an Ethernet cable from your internet modem to the **WAN/LAN port** of the NETVIP device.
3. **Access Setup Page:** Connect to the repeater's default Wi-Fi network and access the setup page.
4. **Select Router Mode:** Follow the wizard and select "Router Mode".
5. **Configure Internet Connection:** Choose your internet connection type (e.g., PPPoE, Dynamic IP, Static IP) and enter the required details provided by your Internet Service Provider (ISP).
6. **Configure Wi-Fi:** Set up your desired Wi-Fi network name (SSID) and password for both 2.4GHz and 5GHz bands.
7. **Apply Settings:** Save the settings. The device will restart and function as your main router.

5. OPERATING INSTRUCTIONS

5.1. Optimal Placement for Repeater Mode

For best performance in Repeater Mode, place the device halfway between your main router and the area where you need improved Wi-Fi coverage. Ensure it receives a strong signal from your main router while also being close enough to the devices you want to connect.

Expand Wi-Fi Coverage

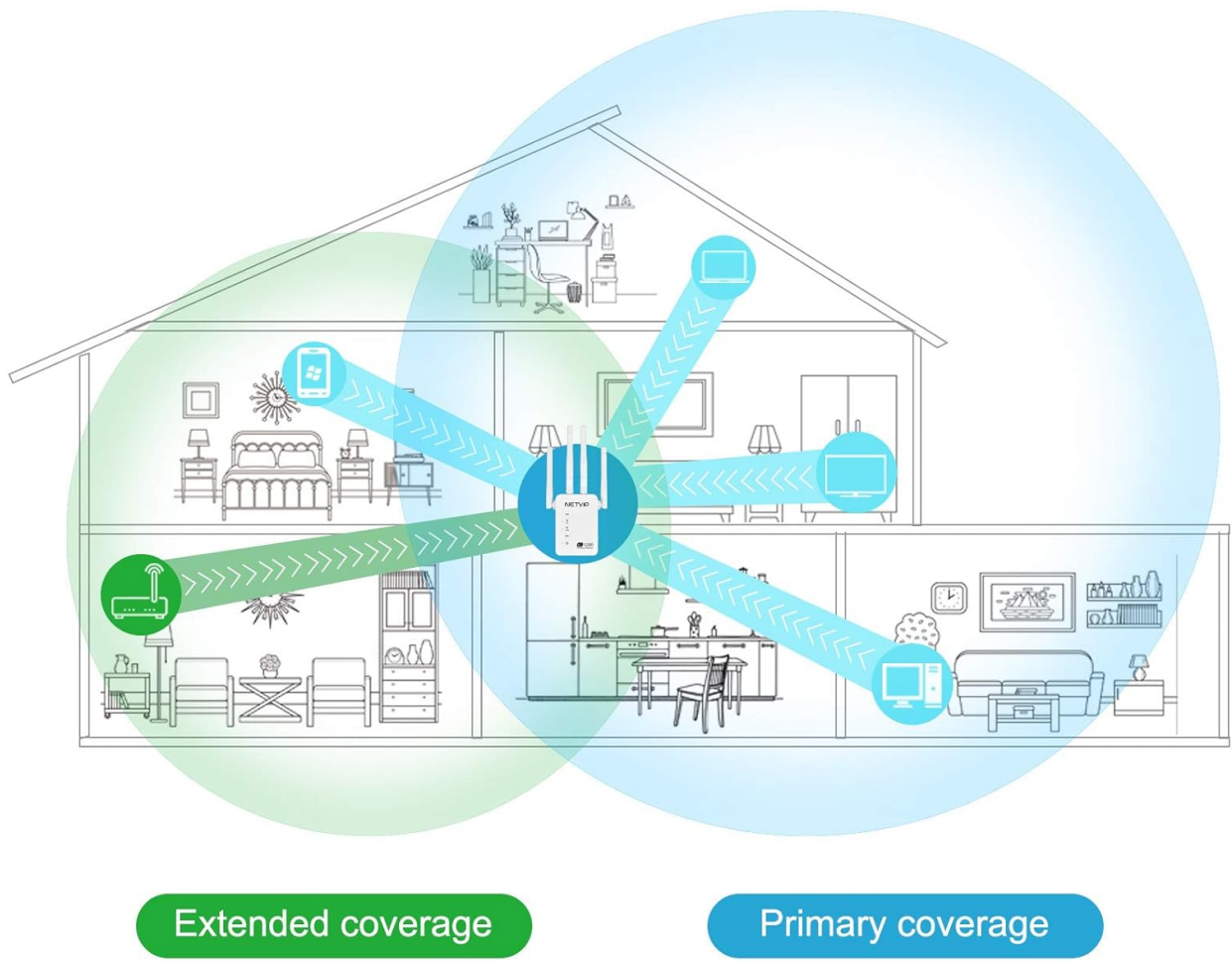


Image 5.1: Illustration of a Wi-Fi repeater placed centrally in a home to expand both primary and extended Wi-Fi coverage zones, reaching various rooms.

5.2. Connecting Devices

Once the repeater is set up, you can connect your Wi-Fi enabled devices (smartphones, tablets, laptops, smart TVs, etc.) to the extended network using the SSID and password you configured during setup.



Image 5.2: The NETVIP AC1200 Wi-Fi Repeater expanding Wi-Fi coverage, enabling connectivity for multiple devices including pads, smart TVs, laptops, and phones.

5.3. Wired Connections

Use the LAN/WAN Ethernet ports to connect wired devices for a stable and fast connection. This is particularly useful for devices like desktop computers, gaming consoles, or network-attached storage (NAS) that benefit from a direct connection.



Image 5.3: The NETVIP AC1200 Wi-Fi Repeater acting as a wireless adapter, connecting to a Smart TV via its LAN+WAN Ethernet ports, and illustrating connections to other wired devices such as a printer, PC, laptop, and game console.

6. MAINTENANCE

- **Firmware Updates:** Periodically check the NETVIP official website for firmware updates. Keeping your device's firmware up-to-date ensures optimal performance, security, and access to new features.
- **Cleaning:** Gently wipe the device with a soft, dry cloth. Do not use liquid cleaners or aerosols. Ensure the device is unplugged before cleaning.
- **Resetting the Device:** If you encounter persistent issues or wish to reconfigure the device from scratch, use the reset button. With the device powered on, press and hold the reset button for approximately 10 seconds until the LEDs flash, then release. The device will reboot with factory default settings.
- **Ventilation:** Ensure the device is placed in a well-ventilated area to prevent overheating. Do not cover the ventilation holes.

7. TROUBLESHOOTING

If you experience issues with your NETVIP AC1200 Wi-Fi Repeater, refer to the following common problems

and solutions:

- **Cannot access the setup page (192.168.10.1 or re.netvip.com):**
 - Ensure your device is connected to the repeater's default Wi-Fi network (e.g., "NETVIP_XXXX").
 - Verify that your computer or mobile device is set to obtain an IP address automatically (DHCP).
 - Try a different web browser or clear your browser's cache.
 - Reset the repeater to factory defaults and try again.
- **No internet connection after setup:**
 - In Repeater Mode, ensure you entered the correct Wi-Fi password for your main router.
 - Check the signal strength LEDs on the repeater; if they are weak, relocate the repeater closer to your main router.
 - In AP or Router Mode, verify the Ethernet cable connection to your modem/router and ensure your ISP settings are correct.
 - Restart both your main router/modem and the NETVIP repeater.
- **Weak or unstable Wi-Fi signal:**
 - Adjust the position of the repeater's external antennas for better reception.
 - Relocate the repeater to a more central location, away from obstructions like thick walls, metal objects, or large appliances.
 - Minimize interference from other electronic devices (e.g., cordless phones, microwaves).
 - Ensure your main router's Wi-Fi signal is strong enough at the repeater's location.
- **Difficulty during initial installation:**
 - Follow the setup steps carefully, one by one.
 - If the web-based setup is challenging, consider using the WPS button method if your main router supports it (press WPS on router, then on repeater within 2 minutes).
 - Perform a factory reset and attempt the setup process again.

8. PRODUCT SPECIFICATIONS

Brand	NETVIP
Model	AC1200
Wireless Standard	802.11ac
Data Transfer Rate	1200 Mbps (867 Mbps 5GHz, 300 Mbps 2.4GHz)
Frequency Bands	2.4 GHz, 5 GHz
Operating Modes	Repeater, Access Point (AP), Router
Ethernet Ports	2 (LAN/WAN)
Antennas	4 x 5 dBi External Antennas
Compatible Devices	All Wi-Fi enabled devices

9. WARRANTY AND SUPPORT

Information regarding specific warranty terms and conditions for the NETVIP AC1200 Dual Band Wi-Fi

Repeater is not available in the provided product details. For warranty claims, technical support, or further assistance, please refer to the documentation included with your product or visit the official NETVIP website.